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Clean Version of the Claims

2. (Amended) The recombinant human gelatin of claim 20, wherein the recombinant human gelatin has a molecular weight selected from the group consisting of about 5 kDa, about 8 kDa, about 9 kDa, about 14 kDa, about 16 kDa, about 22 kDa, about 23 kDa, about 36 kDa, about 44 kDa, and about 65 kDa.
3. (Amended) The recombinant human gelatin of claim 20, wherein the recombinant human gelatin has a molecular weight range selected from the group consisting of about 0 to 50 kDa, about 10 to 30 kDa, about 30 to 50 kDa, about 10 to 70 kDa, about 50 to 70 kDa, about 50 to 100 kDa, about 100 to 150 kDa, about 150 to 200 kDa, about 200 to 250 kDa, about 250 to 300 kDa, and about 300 to 350 kDa.
4. (Reiterated) A recombinant gelatin having a molecular weight greater than 300 kDa.
5. (Amended) The recombinant human gelatin of claim 20, wherein the recombinant human gelatin has a Bloom strength selected from the group consisting of 50, 100, 150, 200, 250, and 300.
6. (Amended) The recombinant human gelatin of claim 20, wherein the recombinant human gelatin has a Bloom strength of between 0 and 100.
8. (Amended) A composition comprising a recombinant gelatin, wherein the recombinant gelatin has a percentage hydroxylation selected from the group consisting of 20 to 80%, 30 to 80%, 40 to 80%, 60 to 80%, 80 to 100%, 20 to 60%, 30 to 60%, 40 to 60%, 20 to 30%, 20 to 40%, and 30 to 40%.
9. (Amended) The composition of claim 20, wherein the recombinant human gelatin is non-hydroxylated.

12. (Amended) A composition comprising a recombinant gelatin, wherein the recombinant gelatin comprises a homogeneous mixture of recombinant gelatin polypeptides.
13. (Amended) The composition of claim 20, wherein the recombinant human gelatin comprises a heterogeneous mixture of recombinant human gelatin polypeptides.
14. (Amended) The composition of claim 20, wherein the recombinant human gelatin is obtained from one type of collagen free of any other collagen.
15. (Reiterated) The composition of claim 14, wherein the one type of collagen is selected from the group consisting of type I, type II, type III, type IV, type V, type VI, type VII, type VIII, type IX, type X, type XI, type XII, type XIII, type XIV, type XV, type XVI, type XVII, type XVIII, type XIX, and type XX collagen.
16. (Amended) A composition comprising a recombinant gelatin, wherein the recombinant gelatin has an endotoxin level below 1.000 EU/mg.
17. (Amended) A composition comprising a recombinant gelatin, wherein the recombinant gelatin has an endotoxin level below 0.500 EU/mg.
18. (Amended) A composition comprising a recombinant gelatin, wherein the recombinant gelatin has an endotoxin level below 0.050 EU/mg.
19. (Amended) A composition comprising a recombinant gelatin, wherein the recombinant gelatin has an endotoxin level below 0.005 EU/mg.
20. (Amended) A composition comprising a recombinant human gelatin.
21. (Amended) A recombinant gelatin comprising the amino acid sequence of SEQ ID NO:18.

30. (Amended) A recombinant gelatin comprising the amino acid sequence of SEQ ID NO:29.
42. (Amended) A binding agent comprising the recombinant human gelatin of claim 20.
43. (Amended) An encapsulant comprising the recombinant human gelatin of claim 20.
44. (Amended) A stabilizing agent comprising the recombinant human gelatin of claim 20.
45. (Amended) A film-forming agent comprising the recombinant human gelatin of claim 20.
46. (Amended) A moisturizing agent comprising the recombinant human gelatin of claim 20.
47. (Amended) An emulsifier comprising the recombinant human gelatin of claim 20.
48. (Amended) A thickening agent comprising the recombinant human gelatin of claim 20.
49. (Amended) A gelling agent comprising the recombinant human gelatin of claim 20.
50. (Amended) A colloidal agent comprising the recombinant human gelatin of claim 20.
51. (Amended) An adhesive agent comprising the recombinant human gelatin of claim 20.
53. (Amended) A pharmaceutical composition comprising a recombinant human gelatin.
54. (Amended) A hard gel capsule comprising the recombinant human gelatin of claim 20.
55. (Amended) A soft gel capsule comprising the recombinant human gelatin of claim 20.

56. (Amended) A plasma expander comprising the recombinant human gelatin of claim 20.
57. (Amended) A colloidal volume replacement material comprising the recombinant human gelatin of claim 20.
58. (Amended) A graft coating comprising the recombinant human gelatin of claim 20.
59. (Amended) A medical sponge comprising the recombinant human gelatin of claim 20.
60. (Amended) A medical plug comprising the recombinant human gelatin of claim 20.
61. (Amended) A pharmaceutical stabilizer comprising the recombinant human gelatin of claim 20.
62. (Amended) A microcarrier comprising the recombinant human gelatin of claim 20.
64. (Amended) An edible composition comprising the recombinant human gelatin of claim 20.
65. (Amended) A protein supplement comprising the recombinant human gelatin of claim 20.
66. (Amended) A fat substitute comprising the recombinant human gelatin of claim 20.
67. (Amended) A nutritional supplement comprising the recombinant human gelatin of claim 20.
68. (Amended) An edible coating comprising the recombinant human gelatin of claim 20.
70. (Amended) A photographic composition comprising the recombinant human gelatin of claim 20.

71. (Amended) A cosmetic composition comprising the recombinant human gelatin of claim 20.
72. (Amended) An industrial composition comprising the recombinant human gelatin of claim 20.
73. (Amended) A cell culture composition comprising the recombinant human gelatin of claim 20.
74. (Amended) A composition for laboratory use comprising the recombinant human gelatin of claim 20.
75. (Reiterated) The pharmaceutical stabilizer of claim 61, wherein the pharmaceutical stabilizer is a vaccine stabilizer.